Noa Pinter-Wollman

List of Publications by Year
in descending order

71 papers	2,509 citations	257101 24 h-index	223531 46 g-index
78 all docs	78 docs citations	78 times ranked	2052 citing authors

#	Article	IF	Citations
1	Modularity and connectivity of nest structure scale with colony size. Evolution; International Journal of Organic Evolution, 2022, 76, 101-113.	1.1	3
2	A reproductive heir has a central position in multilayer social networks of paper wasps. Animal Behaviour, 2022, 185, 21-36.	0.8	8
3	Harvester ant nest architecture is more strongly affected by intrinsic than extrinsic factors. Behavioral Ecology, 2022, 33, 644-653.	1.0	7
4	Queen succession in the Indian paper wasp Ropalidia marginata: On the trail of the potential queen. Journal of Biosciences, 2022, 47, 1.	0.5	2
5	The effect of resource availability on interspecific competition between a native and an invasive ant. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210146.	1.8	8
6	Using multilayer network analysis to explore the temporal dynamics of collective behavior. Environmental Epigenetics, 2021, 67, 71-80.	0.9	9
7	Observing the unwatchable: Integrating automated sensing, naturalistic observations and animal social network analysis in the age of big data. Journal of Animal Ecology, 2021, 90, 62-75.	1.3	66
8	Trade-offs between fighting and breeding: a social network analysis of bison male interactions. Journal of Mammalogy, 2021, 102, 504-519.	0.6	5
9	Proximate and ultimate processes may explain â€œtask syndromesâ€• a comment on Loftus et al.. Behavioral Ecology, 2021, 32, 22-23.	1.0	4
10	A guide to choosing and implementing reference models for social network analysis. Biological Reviews, 2021, 96, 2716-2734.	4.7	29
11	Understanding Drivers of Variation and Predicting Variability Across Levels of Biological Organization. Integrative and Comparative Biology, 2021, , .	0.9	8
12	The effect of individual learning on collective foraging in honey bees in differently structured landscapes. Animal Behaviour, 2021, 179, 113-123.	0.8	18
13	Spatial proximity and prey vibratory cues influence collective hunting in social spiders. Israel Journal of Ecology and Evolution, 2020, 66, 26-31.	0.2	4
14	Predictors of colony extinction vary by habitat type in social spiders. Behavioral Ecology and Sociobiology, 2020, 74, 1.	0.6	2
15	Individual learning phenotypes drive collective behavior. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17949-17956.	3.3	41
16	Physical and social cues shape nest-site preference and prey capture behavior in social spiders. Behavioral Ecology, 2020, 31, 627-632.	1.0	3
17	Comparative Genomics Identifies Putative Signatures of Sociality in Spiders. Genome Biology and Evolution, 2020, 12, 122-133.	1.1	16
18	Resting networks and personality predict attack speed in social spiders. Behavioral Ecology and Sociobiology, 2019, 73, 1.	0.6	5

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19	Placing the effects of demography on networks in ecological context: a comment on Shizuka and Johnson. Behavioral Ecology, 2019, , .	1.0	2
20	The use of multilayer network analysis in animal behaviour. Animal Behaviour, 2019, 149, 7-22.	0.8	116
21	Better safe than sorry: spider societies mitigate risk by prioritizing caution. Behavioral Ecology, 2019, 30, 1234-1241.	1.0	1
22	Collective responses to heterospecifics emerge from individual differences in aggression. Behavioral Ecology, 2019, 30, 801-808.	1.0	7
23	Experimental evidence of frequency-dependent selection on group behaviour. Nature Ecology and Evolution, 2019, 3, 702-707.	3.4	6
24	A Multiscale Review of Behavioral Variation in Collective Foraging Behavior in Honey Bees. Insects, 2019, 10, 370.	1.0	28
25	Collective behavior and colony persistence of social spiders depends on their physical environment. Behavioral Ecology, 2019, 30, 39-47.	1.0	10
26	Individual differences in learning and biogenic amine levels influence the behavioural division between foraging honeybee scouts and recruits. Journal of Animal Ecology, 2019, 88, 236-246.	1.3	39
27	Social Behavior and Interactions. , 2019, , 319-327.		0
28	Can Multilayer Networks Advance Animal Behavior Research?. Trends in Ecology and Evolution, 2018, 33, 376-378.	4.2	62
29	Selection for Collective Aggressiveness Favors Social Susceptibility in Social Spiders. Current Biology, 2018, 28, 100-105.e4.	1.8	21
30	The primary case is not enough: Variation among individuals, groups and social networks modify bacterial transmission dynamics. Journal of Animal Ecology, 2018, 87, 369-378.	1.3	14
31	Underlying mechanisms and ecological context of variation in exploratory behavior of the Argentine ant, Linepithema humile. Journal of Experimental Biology, 2018, 221, .	0.8	12
32	Social tipping points in animal societies. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181282.	1.2	32
33	Social interactions shape individual and collective personality in social spiders. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181366.	1.2	24
34	The impact of the built environment on health behaviours and disease transmission in social systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170245.	1.8	95
35	Interdisciplinary approaches for uncovering the impacts of architecture on collective behaviour. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170232.	1.8	23
36	Behavioral Hypervolumes of Predator Groups and Predator-Predator Interactions Shape Prey Survival Rates and Selection on Prey Behavior. American Naturalist, 2017, 189, 254-266.	1.0	18

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37	The impact of architecture on collective behaviour. Nature Ecology and Evolution, 2017, 1, 111.	3.4	37
38	Replacing bold individuals has a smaller impact on group performance than replacing shy individuals. Behavioral Ecology, 2017, 28, 883-889.	1.0	21
39	The multidimensional behavioural hypervolumes of two interacting species predict their space use and survival. Animal Behaviour, 2017, 132, 129-136.	0.8	13
40	Task allocation and site fidelity jointly influence foraging regulation in honeybee colonies. Royal Society Open Science, 2017, 4, 170344.	1.1	25
41	Exposure to predators reduces collective foraging aggressiveness and eliminates its relationship with colony personality composition. Behavioral Ecology and Sociobiology, 2017, 71, 1.	0.6	13
42	Personality composition alters the transmission of cuticular bacteria in social groups. Biology Letters, 2016, 12, 20160297.	1.0	18
43	Behavioural hypervolumes of spider communities predict community performance and disbandment. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161409.	1.2	14
44	Individual differences in boldness influence patterns of social interactions and the transmission of cuticular bacteria among group-mates. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160457.	1.2	35
45	The Effect of Keystone Individuals on Collective Outcomes Can Be Mediated through Interactions or Behavioral Persistence. American Naturalist, 2016, 188, 240-252.	1.0	21
46	Participation in cooperative prey capture and the benefits gained from it are associated with individual personality. Environmental Epigenetics, 2016, 63, zow097.	0.9	21
47	The Achilles' heel hypothesis: misinformed keystone individuals impair collective learning and reduce group success. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152888.	1.2	22
48	Nest architecture shapes the collective behaviour of harvester ants. Biology Letters, 2015, 11, .	1.0	51
49	Persistent variation in spatial behavior affects the structure and function of interaction networks. Environmental Epigenetics, 2015, 61, 98-106.	0.9	37
50	Interactions Increase Forager Availability and Activity in Harvester Ants. PLoS ONE, 2015, 10, e0141971.	1.1	23
51	Higher-Order Interactions: Understanding the knowledge capacity of social groups using simplicial sets. Environmental Epigenetics, 2015, 61, 114-127.	0.9	18
52	Variation in nest relocation of harvester ants is affected by population density and food abundance. Behavioral Ecology, 2015, 26, 1569-1576.	1.0	7
53	The legacy effects of keystone individuals on collective behaviour scale to how long they remain within a group. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151766.	1.2	25
54	Identifying robustness in the regulation of collective foraging of ant colonies using an interaction-based model with backward bifurcation. Journal of Theoretical Biology, 2015, 367, 61-75.	0.8	11

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55	Individual variation in exploratory behaviour improves speed and accuracy of collective nest selection by Argentine ants. Animal Behaviour, 2014, 93, 261-266.	0.8	93
56	Behavioural syndromes and social insects: personality at multiple levels. Biological Reviews, 2014, 89, 48-67.	4.7	268
57	Harvester ants use interactions to regulate forager activation and availability. Animal Behaviour, 2013, 86, 197-207.	0.8	105
58	Interactions with Combined Chemical Cues Inform Harvester Ant Foragers' Decisions to Leave the Nest in Search of Food. PLoS ONE, 2013, 8, e52219.	1.1	49
59	Harvester Ant Colony Variation in Foraging Activity and Response to Humidity. PLoS ONE, 2013, 8, e63363.	1.1	50
60	Humanâ€“Elephant Conflict in Africa: The Legal and Political Viability of Translocations, Wildlife Corridors, and Transfrontier Parks for Large Mammal Conservation. Journal of International Wildlife Law and Policy, 2012, 15, 152-166.	0.3	17
61	Nest site and weather affect the personality of harvester ant colonies. Behavioral Ecology, 2012, 23, 1022-1029.	1.0	60
62	Personality in social insects: How does worker personality determine colony personality?. Environmental Epigenetics, 2012, 58, 580-588.	0.9	89
63	How is activity distributed among and within tasks in Temnothorax ants?. Behavioral Ecology and Sociobiology, 2012, 66, 1407-1420.	0.6	101
64	The effect of individual variation on the structure and function of interaction networks in harvester ants. Journal of the Royal Society Interface, 2011, 8, 1562-1573.	1.5	134
65	Spatial behaviour of translocated African elephants (Loxodonta africana) in a novel environment: using behaviour to inform conservation actions. Behaviour, 2009, 146, 1171-1192.	0.4	29
66	Assessing translocation outcome: Comparing behavioral and physiological aspects of translocated and resident African elephants (Loxodonta africana). Biological Conservation, 2009, 142, 1116-1124.	1.9	93
67	The relationship between social behaviour and habitat familiarity in African elephants (Loxodonta) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	61
68	Exploring Animal Social Networks. By Darren P.ÂCroft, RichardÂJames, and , JensÂKrause. Princeton (New) Tj ETQq0 0 0 rgBT /Overlock 1 0 978â€0â€691â€12751â€4 (hc); 978â€0â€691â€12752â€1 (pb). 2008.. Quarterly Review of Biology, 2009, 84, 99-100.	0.0	0
69	Large brains and cognition: Where do elephants fit in?. Neuroscience and Biobehavioral Reviews, 2008, 32, 86-98.	2.9	155
70	A search for principles of disability using experimental impairment of Drosophila melanogaster. Experimental Gerontology, 2007, 42, 166-172.	1.2	21
71	CAN AGGRESSION BE THE FORCE DRIVING TEMPORAL SEPARATION BETWEEN COMPETING COMMON AND GOLDEN SPINY MICE?. Journal of Mammalogy, 2006, 87, 48-53.	0.6	15